

## LOGICAL NODE IDENTIFICATION IN AN INFORMATION TRANSMISSION NETWORK

### ABSTRACT OF THE DISCLOSURE

5           A system for generating and sending a Logical Node identification signal as part of a  
data stream is disclosed. The system also includes subscriber stations capable of receiving  
and extracting Logical Node identification information from a data stream. The subscriber  
stations create new messages including the Logical Node identification signal and send the  
message to the transmission network system control, such that switching of data streams to  
10 an appropriate channel over the information transmission network is done consistent with  
the network topology.